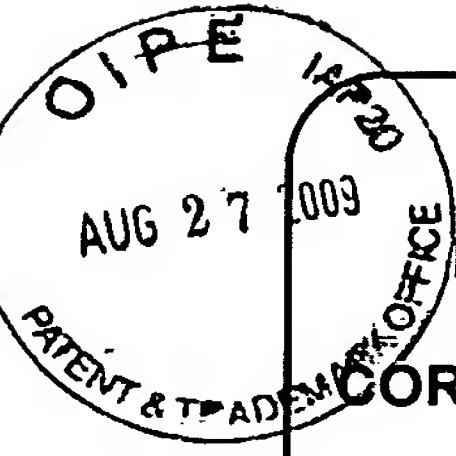


Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.



**POWER OF ATTORNEY  
and  
CORRESPONDENCE ADDRESS  
INDICATION FORM**

|                              |                                       |
|------------------------------|---------------------------------------|
| Application Number           | US 10/590,555                         |
| Filing Date ( <i>Iny'1</i> ) | February 26, 2005                     |
| First Named Inventor         | Axel Kochale et al.                   |
| Title                        | Arrangement For Adaptive Bit Recovery |
| Art Unit                     |                                       |
| Examiner Name                |                                       |
| Attorney Docket Number       | PD040028                              |

I hereby appoint:

- Practitioners at Customer Number  
*OR*

**Customer Number 24498**

- Practitioner(s) named below:

| Name | Registration Number |
|------|---------------------|
|      |                     |
|      |                     |
|      |                     |
|      |                     |
|      |                     |

as my/our attorney(s) or agent(s) to prosecute the application identified above, and to transact all business in the Patent and Trademark Office connected therewith.

Please recognize or change the correspondence address for the above-identified application to:

- The above-mentioned Customer Number:  
*OR*

- The address associated with Customer Number:  
*OR*

|   |  |       |              |                |
|---|--|-------|--------------|----------------|
| <input checked="" type="checkbox"/> Firm or Individual Name | Robert D. Shedd, THOMSON LICENSING LLC |       |              |                |
| Address   | PATENT OPERATIONS                      |       |              |                |
| Address   | P. O. BOX 5312                         |       |              |                |
| City  | PRINCETON                              | State | NJ           | ZIP 08543-5312 |
| Country   | USA                                    |       |              |                |
| Telephone   | 609-734-6445                           | Fax   | 609-734-6888 |                |

I am the:

- Applicant/Inventor.

- Assignee of record of the entire interest. See 37 CFR 3.71.

Certificate under 37 CFR 3.73(b) is enclosed. (Form PTO/SB/96).

**SIGNATURE of Applicant or Assignee of Record**

|           |  |           |              |
|-----------|--|-----------|--------------|
| Name      | JORGE TONY VILLABON  |           |              |
| Signature |  |           |              |
| Date      | 24 Aug 09  | Telephone | 609-734-6445 |

NOTE: Signatures of all the inventors or assignees of record of the entire interest or their representative(s) are required.  
Submit multiple forms if more than one signature is required, see below\*.

- \*Total of 8 forms are submitted.

This collection of Information is required by 37 CFR 1.31 and 1.33. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 3 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

*If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.*

**POWER OF ATTORNEY**  
**THOMSON LICENSING**

We,

THOMSON LICENSING  
46, Quai A. Le Gallo  
F-92100 Boulogne-Billancourt  
France

do hereby grant

Robert D. Shedd  
Vice President, U.S. Patent Operations  
Thomson Licensing LLC  
Two Independence Way  
Princeton, New Jersey 08540

a revocable, non-exclusive and delegable power of attorney to act for us (including the signing of requisite documents) in proceedings concerning patents and applications for patents, including international and other multi-country patents and applications for patents, in our name in the Patent Offices in all countries worldwide from January 1, 2009.

DATED this 13 day of January, in the year 2009.

Signature:

Typed Name As Signed:

Title:

  
Béatrix de Russé  
Executive Vice-President  
Licensing, Research & Innovation

**POWER OF ATTORNEY**  
**THOMSON LICENSING**

THOMSON LICENSING  
46, Quai A. Le Gallo  
F-92100 Boulogne-Billancourt  
France

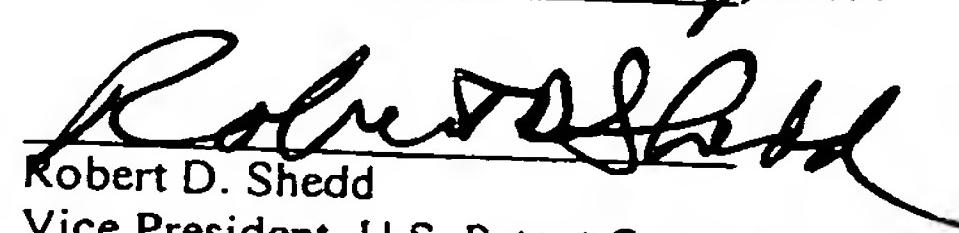
does hereby grant

Harvey D. Fried - Sr. Patent Counsel/Manager  
Robert B. Levy - Sr. Patent Counsel/Manager  
Frank Y. Liao - Sr. Patent Counsel/Manager  
Reitseng Lin - Sr. Patent Counsel  
Guy H. Eriksen - Sr. Patent Counsel  
Catherine A. Ferguson - Sr. Patent Counsel  
Kuniyuki Akiyama - Sr. Patent Counsel  
Paul P. Kiel - Sr. Patent Counsel  
Jeffrey M. Navon - Sr. Patent Counsel  
Joel M. Fogelson - Sr. Patent Counsel  
Joseph J. Opalach - Sr. Patent Counsel  
Sammy S. Henig - Sr. Patent Counsel  
Patricia A. Verlangieri - Sr. Patent Counsel  
Brian J. Dorini, Sr. Patent Counsel  
Jorge Tony Villabon - Patent Counsel  
Vincent E. Duffy - Patent Counsel  
Richard LaPeruta - Patent Counsel  
Brian J. Cromarty - Patent Counsel  
Ronald Kolczynski - Member Patent Staff  
Michael A. Pugel - Patent Agent  
Paul W. Lyons - Patent Agent  
Jeffrey D. Hale - Patent Counsel  
Wan Yee Cheung - Patent Counsel  
Jerome G. Schaefer - Patent Counsel  
James M. McKenzie, Patent Counsel  
*Thomson Licensing LLC*  
*Two Independence Way*  
*Princeton, New Jersey 08540*

a revocable, non-exclusive and delegable power of attorney to act for us (including the signing of requisite documents) in proceedings concerning patents and applications for patents, including international and other multi-country patents and applications for patents, in our name in the Patent Offices in all countries worldwide from January 1, 2007.

DATED this 14 day of January, 2009.

SIGNED

  
Robert D. Shedd  
Vice President, U.S. Patent Operations  
Thomson Licensing LLC and  
Attorney In Fact for  
THOMSON LICENSING

WITNESS

